

SPINAL CORD DYSFUNCTION INSTALLATION GUIDE

Version 2.0 January 1997

Department of Veterans Affairs Software Service Clinical Support Product Line

Table of Contents

Installation Information	1
Environment Check Routine.	1
Pre-Installation Routine	1
Post Installation Routine	
Prior to Installation	
Post Installation	
Name/Number Spacing	
Journalling	
Disk Storage Requirements	
Virgin Installation (Example)	
Installation over Version 1.5 (Example)	

Table of Contents

Installation Information

This package was created using Kernel V. 8.0 and VA FileMan V. 21.0.

Minimum requirements:

VA FileMan V. 21.0 Kernel V. 8.0

PIMS V. 5.3 Health Summary V. 2.5

Additional requirements in order to use all the possible functionality:

Lab V. 5.1 National Drug File V. 2.0
Unit Dose V. 2.13 Outpatient Pharmacy V. 6.0
DRG Grouper V. 10.0 Radiology/Nuclear Medicine V. 4.5

Environment Check Routine

This version of Spinal Cord Dysfunction can only be installed as a virgin installation or over version 1.5. If you have version 1.0 running you will receive the following message:

You are trying to install Version 2.0 of SCD over version 1.0. Please first install SCD version 1.5 then install SCD Version 2.0

Pre-Installation Routine

This routine deletes fields in File #154 and files that were starred for deletion in version 1.5.

Post Installation Routine

This routine converts the old patient data to the new fields:

Swaps the Date of Onset Field with the Etiology field making the Etiology field the .01 of the multiple in File #154,

Updates records noting patients who have expired,

Moves the date data in Last Physical Exam to the new fields for Annual Rehab Offered and Annual Rehab Received, and

Moves the VA Facility data from File #154.1 to node 3 in File #154.

Prior to Installation

	This installation requires patch VAQ*1.5*11 (CREATE SEGMENT USING HLTH SUMM COMP) to be installed.
	Spinal Cord Dysfunction V. 2.0 is distributed in KIDS (Kernel Installation and Distribution System) format. You will use KIDS to install this software. If you are not familiar with KIDS installations, please read your KIDS documentation before you install this software.
	There is no need to delete the Spinal Cord Dysfunction routines prior loading this version.
	Make sure you have the required packages/files installed. See list on page 1.
	All users of the package should log off. All others may remain on-line.
	On MSM systems the installation process will prompt you to move the package's routines to other CPUs. If you inhibit logons to the CPUs receiving the routines, you must shut down TaskMan otherwise the routines will not be moved.
	Backup the system.
	Disable mapping if applicable.
	Disable journalling, if applicable (SPNL* global).
0	Invoke the KIDS menu to load the Spinal Cord Dysfunction V. 2.0 distribution global (SPN2_0.KID). Use the KIDS Print Transport Global option if you wish to obtain a complete listing of package components (e.g., routines, options) sent with this Distribution file.
	Use the KIDS option Verify Checksums in the Transport Global.
	Run the KIDS Install Package(s) option.
	Installation examples are on Alpha systems and assume TaskMan is running.

Post Installation

	Move the SCD routines (SPN*) onto all your systems, if applicable.
	Enable journalling, if applicable.
	For multiple CPUs, the ^SPNL global must be translated.
0	Assign security keys to the appropriate users if this is a virgin install. (See Security Keys under the Security chapter in the Spinal Cord Dysfunction Technical Manual.
	Prior to version 2.0, the transmissions to the National Registry were tasked by running the option Schedule Transmissions to Nat'l Registry [SPNL SCHEDULETRANS]. Delete the task that was created by running that option. Failure to do this will cause double transmissions to the National Registry.
0	The Task Transmissions to Nat'l Registry [SPNL TASKED XMIT] option, not assigned to any menu, allows for scheduling data extractions for the National Registry. Use the Taskman Schedule/Unschedule Options [XUTM SCHEDULE] to schedule this task. It is suggested that SCI Centers task the option to run every one to two weeks, and other sites once a month. Only new or edited records will be transmitted to the National Registry.
	Assign menu options to the appropriate users if this is a virgin install.
	The Spinal Cord Dysfunction [SPN MAIN MENU] menu is the main menu for the package and should be assigned to the package ADPAC. It contains the SCD Package Management Menu [SPNL MANAGEMENT] which is used in set-up and maintenance of the software and the SCD Coordinator Menu [SPNL COORDINATOR] for the end users. Remind the package ADPAC to review the options under the SCD Package Management Menu for any necessary changes. More complete information on this menu is provided in the technical manual. The SCD Coordinator Menu [SPNL COORDINATOR] should be assigned to the end users who input patient data.
	Give the package ADPAC a copy of the Implementation and Maintenance chapter of the Spinal Cord Dysfunction Technical Manual. Further set-up and maintenance can be done by that user.
	Use the KIDS Install File Print option if you wish to print out the results of the installation process.

Name/Number Spacing

The namespace assigned to the Spinal Cord Dysfunction package is SPN. All routines, globals, options, edit and print templates start with these characters. All files use the ^SPNL global.

The Spinal Cord Dysfunction package numberspace is 154 through 154.94.

Journalling

It is highly recommended that the ^SPNL global be journalled.

Disk Storage Requirements

Disk storage is expected to be nominal. No site is expected to require more than a megabyte of storage for the SCD package.

Current estimates indicate approximately 150 bytes per Registry record and 100 bytes per Functional Status record. The reference file storage is estimated at approximately 50 K bytes.

Virgin Installation (Example)

D ^XUP Setting up programmer environment Terminal Type set to: C-VT320 Select OPTION NAME: EVE Systems Manager Menu Core Applications ... Device Management ... FMVA FileMan ... Manage Mailman ... Menu Management ... Programmer Options ... Operations Management ... Spool Management ... System Security ... Taskman Management ... User Management ... Application Utilities ... Capacity Management ... MailMan Menu ... Select Systems Manager Menu Option: Programmer Options KIDS Kernel Installation & Distribution System ... Build an 'NTEG' routine for a package NTEG PG Programmer mode Calculate and Show Checksum Values Delete Unreferenced Options Error Processing ... Global Block Count List Global Map Pointer Relations Number base changer Routine Tools ... Test an option not in your menu Verifier Tools Menu ... Select Programmer Options Option: Kernel Installation & Distribution System Edits and Distribution ... Utilities ...

- 1 Load a Distribution
- Verify Checksums in Transport Global
- 3 Print Transport Global

Installation ...

4 Compare Transport Global to Current System

Select Kernel Installation & Distribution System Option: Installation

Virgin Installation

```
Backup a Transport Global
   6
          Install Package(s)
          Restart Install of Package(s)
          Unload a Distribution
Select Installation Option: 1 Load a Distribution
Enter a Host File: SPN2 0.KID
KIDS Distribution saved on Jan 03, 1997@09:01:18
Comment: SPINAL CORD DYSFUNCTION 2.0 AND GMTS*2.7*13
This Distribution contains Transport Globals for the following Package(s):
     SPINAL CORD DYSFUNCTION 2.0
    GMTS*2.7*13
Want to Continue with Load? YES// <RET>
Loading Distribution...
Want to RUN the Environment Check Routine? YES// YES
   SPINAL CORD DYSFUNCTION 2.0
Will first run the Environment Check Routine, SPNLENV
  GMTS*2.7*13
Use INSTALL NAME: SPINAL CORD DYSFUNCTION 2.0 to install this Distribution.
         Load a Distribution
```

- Verify Checksums in Transport Global
- Print Transport Global
- Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)

Restart Install of Package(s)

Unload a Distribution

Note: At this point, you may want to run the Verify Checksums in Transport Global option. If any of the routine checksums fail, you should contact your IRM Field Office and not proceed with the installation process You may also want to use the option Print Transport Global to obtain a listing of what you will be receiving and what will be deleted with the installation of this version.

```
Select Installation Option: 6 Install Package(s)
Select INSTALL NAME: SPINAL CORD DYSFUNCTION 2.0
                                                        Loaded from
Distribution 1/3/97@09:20:17
     => SPINAL CORD DYSFUNCTION 2.0 AND GMTS*2.7*13 ;Created on Jan 03, 1997@
This Distribution was loaded on Jan 03, 1997@09:20:17 with header of
SPINAL CORD DYSFUNCTION 2.0 AND GMTS*2.7*13 ;Created on Jan 03, 1997@09:01:18
It consisted of the following Install(s):
SPINAL CORD DYSFUNCTION 2.0
GMTS*2.7*13
   SPINAL CORD DYSFUNCTION 2.0
Will first run the Environment Check Routine, SPNLENV
Install Questions for SPINAL CORD DYSFUNCTION 2.0
```

	154	SCD (SPINAL CORD) REGISTRY	
	154.01	SCD NLOI CATEGORY (including data)	
	154.03	ETIOLOGY (including data)	
	154.1	FUNCTIONAL STATUS	
	154.11	FUNCTIONAL STATUS LEVEL (including data)	
		SCD KURTZKE-EDSS (including data) lready have the 'SCD KURTZKE-EDSS' File. RITE your data with mine.	
	154.8	AD HOC MACRO	
	154.9	PATIENT TRANSMISSION STATUS	
	154.91	SCD SITE PARAMETERS	
	154.92	SCD FILTER (including data)	
	154.93	CURRENT TRANSMISSION CYCLE	
	154.94	TRANSMISSION CYCLE HISTORY	
	GMTS*2.7*	13	
Install Questions for GMTS*2.7*13			
Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// NO			
Enter the Device you want to print the Install messages. You can queue the install by enter a 'Q' at the device prompt. Enter a '^' to abort the install.			
DEVICE: HOME// (Enter a device)			
Install Started for SPINAL CORD DYSFUNCTION 2.0 : Jan 03, 1997@09:21:12			
т.	nstalling	Routines:	

Virgin Installation

```
Jan 03, 1997@09:21:31
Running Pre-Install Routine: PRE^SPNLENV...
Installing Data Dictionaries: .....
              Jan 03, 1997@09:21:42
Installing Data: .
              Jan 03, 1997@09:21:48
Installing PACKAGE COMPONENTS:
Installing SECURITY KEY....
Installing PRINT TEMPLATE.....
Installing INPUT TEMPLATE...
Installing FORM.....
Installing OPTION.....
              Jan 03, 1997@09:22:20
Running Post-Install Routine: POS^SPNLENV..
Updating Routine file.....
Updating KIDS files.....
SPINAL CORD DYSFUNCTION 2.0 Installed.
              Jan 03, 1997@09:22:37
Not a production UCI
NO Install Message sent
Install Started for GMTS*2.7*13 :
             Jan 03, 1997@09:22:37
Installing Routines:...
             Jan 03, 1997@09:22:37
Running Post-Install Routine: ^GMTSP13.
Adding component to HEALTH SUMMARY COMPONENT (142.1) file.
Component Installed.
Installing new component in AD HOC Health Summary.
Rebuilding Ad Hoc Summary.....
Installing SPINAL CORD DYSFUNCTION into PDX Data Segments.
Adding this segment requires patch VAQ*1.5*11 (CREATE
SEGMENT USING HLTH SUMM COMP) to be installed.
Install VAQ*1.5*11 and then DO PDXINST^GMTSP13
to add the segment to the VAQ - Data Segment file.
Updating Routine file.....
```

Updating KIDS files.....

GMTS*2.7*13 Installed.

Jan 03, 1997@09:22:43

Installation over Version 1.5 (Example)

D ^XUP Setting up programmer environment Terminal Type set to: C-VT320 Select OPTION NAME: EVE Systems Manager Menu Core Applications ... Device Management ... FMVA FileMan ... Manage Mailman ... Menu Management ... Programmer Options ... Operations Management ... Spool Management ... System Security ... Taskman Management ... User Management ... Application Utilities ... Capacity Management ... MailMan Menu ... Select Systems Manager Menu Option: Programmer Options KIDS Kernel Installation & Distribution System ... Build an 'NTEG' routine for a package NTEG PG Programmer mode Calculate and Show Checksum Values Delete Unreferenced Options Error Processing ... Global Block Count List Global Map Pointer Relations Number base changer Routine Tools ... Test an option not in your menu Verifier Tools Menu ... Select Programmer Options Option: KIDS Kernel Installation & Distribution System Edits and Distribution ... Utilities ... Installation ... Select Kernel Installation & Distribution System Option: INSTALLation 1 Load a Distribution

Verify Checksums in Transport Global

Print Transport Global

```
Compare Transport Global to Current System
   5
          Backup a Transport Global
   6
          Install Package(s)
          Restart Install of Package(s)
          Unload a Distribution
Select Installation Option: LOAD a Distribution
Enter a Host File: SPN2_0.KID
KIDS Distribution saved on Jan 03, 1997@09:01:18
Comment: SPINAL CORD DYSFUNCTION 2.0 AND GMTS*2.7*13
This Distribution contains Transport Globals for the following Package(s):
     SPINAL CORD DYSFUNCTION 2.0
    GMTS*2.7*13
Want to Continue with Load? YES// <RET>
Loading Distribution...
Want to RUN the Environment Check Routine? YES// <RET>
   SPINAL CORD DYSFUNCTION 2.0
Will first run the Environment Check Routine, SPNLENV
   GMTS*2.7*13
Use INSTALL NAME: SPINAL CORD DYSFUNCTION 2.0 to install this Distribution.
```

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)

Restart Install of Package(s)
Unload a Distribution

Note: At this point, you may want to run the Verify Checksums in Transport Global option. If any of the routine checksums fail, you should contact your IRM Field Office and not proceed with the installation process. You may also want to use the option Print Transport Global to obtain a listing of what you will be receiving and what will be deleted with the installation of this version.

```
Select Installation Option: 6 Install Package(s)
Select INSTALL NAME: SPINAL CORD DYSFUNCTION 2.0 Loaded from
Distribution 1/3/97@09:08:36

=> SPINAL CORD DYSFUNCTION 2.0 AND GMTS*2.7*13 ;Created on Jan 03, 1997@
This Distribution was loaded on Jan 03, 1997@09:08:36 with header of
SPINAL CORD DYSFUNCTION 2.0 AND GMTS*2.7*13 ;Created on Jan 03, 1997@09:01:18
It consisted of the following Install(s):
SPINAL CORD DYSFUNCTION 2.0
GMTS*2.7*13

SPINAL CORD DYSFUNCTION 2.0
Will first run the Environment Check Routine, SPNLENV
```

Install Questions for SPINAL CORD DYSFUNCTION 2.0

- 154 SCD (SPINAL CORD) REGISTRY
 Note: You already have the 'SCD (SPINAL CORD) REGISTRY' File.
- 154.01 SCD NLOI CATEGORY (including data)
 Note: You already have the 'SCD NLOI CATEGORY' File.
 I will OVERWRITE your data with mine.
- 154.03 ETIOLOGY (including data)
 Note: You already have the 'ETIOLOGY' File.
 I will OVERWRITE your data with mine.
- 154.1 FUNCTIONAL STATUS

 Note: You already have the 'FUNCTIONAL STATUS' File.
- 154.11 FUNCTIONAL STATUS LEVEL (including data)
 Note: You already have the 'FUNCTIONAL STATUS LEVEL' File.
 I will OVERWRITE your data with mine.
- 154.2 SCD KURTZKE-EDSS (including data)
 Note: You already have the 'SCD KURTZKE-EDSS' File.
 I will OVERWRITE your data with mine.
 - 154.8 AD HOC MACRO
- 154.9 PATIENT TRANSMISSION STATUS
 Note: You already have the 'PATIENT TRANSMISSION STATUS' File.
- 154.91 SCD SITE PARAMETERS

 Note: You already have the 'SCD SITE PARAMETERS' File.
 - 154.92 SCD FILTER (including data)
- 154.93 CURRENT TRANSMISSION CYCLE Note: You already have the 'CURRENT TRANSMISSION CYCLE' File.
- 154.94 TRANSMISSION CYCLE HISTORY Note: You already have the 'TRANSMISSION CYCLE HISTORY' File.

GMTS*2.7*13

Install Questions for GMTS*2.7*13

```
Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//NO
Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.
DEVICE: HOME// (Enter a device)
Install Started for SPINAL CORD DYSFUNCTION 2.0:
             Jan 03, 1997@09:10:39
Installing Routines:.....
             Jan 03, 1997@09:11
Running Pre-Install Routine: PRE^SPNLENV...
Installing Data Dictionaries: .....
             Jan 03, 1997@09:11:12
Installing Data: .
             Jan 03, 1997@09:11:19
Installing PACKAGE COMPONENTS:
Installing SECURITY KEY....
Installing PRINT TEMPLATE.....
Installing INPUT TEMPLATE...
Installing FORM.....
Installing OPTION.....
             Jan 03, 1997@09:11:51
Running Post-Install Routine: POS^SPNLENV..
Updating Routine file.....
Updating KIDS files.....
SPINAL CORD DYSFUNCTION 2.0 Installed.
             Jan 03, 1997@09:11:58
Not a production UCI
NO Install Message sent
Install Started for GMTS*2.7*13 :
             Jan 03, 1997@09:11:59
Installing Routines:...
             Jan 03, 1997@09:11:59
Running Post-Install Routine: ^GMTSP13.
Adding component to HEALTH SUMMARY COMPONENT (142.1) file.
Component Installed.
```

Installation over V. 1.5

Installing new component in AD HOC Health Summary.

Rebuilding Ad Hoc Summary.......

Done.

Installing SPINAL CORD DYSFUNCTION into PDX Data Segments.

Adding this segment requires patch VAQ*1.5*11 (CREATE SEGMENT USING HLTH SUMM COMP) to be installed.

Install VAQ*1.5*11 and then DO PDXINST^GMTSP13 to add the segment to the VAQ - Data Segment file.

Updating Routine file.....

Updating KIDS files......

GMTS*2.7*13 Installed.

Jan 03, 1997@09:12:04